



Product Data Sheet

Model Number / Part Number: ABR200 / 24200
 Description: 50 Ohm Low Loss 200 Size Type 1 JKT
 Suitable application: Low Loss RF Communication

Physical Characteristics	
Center Awg	17 AWG (.044")
Stranding	1 Conductor Solid
Conductor Material	Bare Copper
Dielectric Material	Gas Injected Foam Polyethylene
Nominal Diameter	.116"
Tape material	Bonded Aluminum/polyester/aluminum tape
Braid Awg	36
Braid Material	Tinned Copper
Braid Coverage	95%
Final Jacket Material	UV Resistant PVC
Nominal Thickness	.028"
Nominal Diameter	.200"
Final Jacket Color	Black

Nominal Attenuation	
Impedance:	50 Ohms
Capacitance	25.4 pF/foot
Velocity of Prop	83%

Attenuation / Average Power		
Frequency (MHz)	Nom db/100	Average Power(KW)
30	1.8	1.02
50	2.3	0.79
150	4.0	0.45
220	4.8	0.37
450	7.0	0.26
900	9.9	0.18
1500	12.9	0.14
1800	14.2	0.13
2000	15.0	0.12
2500	16.9	0.11
5800	26.4	0.07
8000	31.3	0.06

Applicable Standards	
UL Type	N/A
ROHS Compliant	Yes

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Calculate Attenuation = $K1 \times \sqrt{F} + K2 \times F$ (dB/100 feet) K1 Resistive Loss Constant. K2 is dielectric Loss constant F is Frequency is MHz
 Attenuation set at VSWR=1.0 ; Ambient = +25°C (77°F) Power: VSWR=1.0; Ambient = +40°C; Inner Conductor = 100°C (212°F); Sea Level; dry air;
 atmospheric pressure; no solar loading